

# **International Sports Timing PRODUCT SPECIFICATIONS BOARDWARE Scoreboard Projection Software**

## **Introduction**

International Sports Timing's BOARDWARE Scoreboard Projection Software offers an affordable, versatile software package that turns your computer into a scoreboard display that can be projected onto your pool wall or other screen surface. BOARDWARE software runs in Windows 2000, XP or Vista (XP or Vista Pro is recommended for networking). With Virtual Serial Ports, you can run BOARDWARE on the same computer as TIMEWARE 2, MEETWARE, POLOWARE 2 and/or WORKWARE 2. Note: If you are running BOARDWARE on a desk top computer, you must have a second video card for the projector. Like all software products from IST, BOARDWARE is covered by a five year warranty.

### **I) Display Settings**

- A) BOARDWARE makes use of the multiple monitor settings available in Windows.
  - 1) Monitor 1 is set to be used as the primary monitor for your IST Software.
  - 2) Monitor 2 is set to extend the Windows Desktop to move the BOARDWARE Display to a projector.
- B) Virtual Serial Ports (VSP's)
  - 1) VSP's allow your TIMEWARE 2, MEETWARE, POLOWARE 2 and/or WORKWARE 2 Software to send data that would normally go to an IST 32-character Alphanumeric Scoreboard back to the computer to be displayed on your projector.
  - 2) VSP's require 2 available COM ports.
- C) Projector (User Supplied)
  - 1) Your projector connects to a laptop's external monitor port.
  - 2) If you are using a desk top Computer, you must have a second video card for the projector.
  - 3) Our customers' experience has shown that a 3000 lumen projector is the minimum, with 6000 lumens or more preferred.
  - 4) Mounting the projector permanently inside the pool area may adversely affect its useful life, due to corrosion from the chlorinated atmosphere.

### **II) Software Settings**

- A) User logo
  - 1) The User Logo is displayed in the upper left corner of the scoreboard display.
  - 2) The shape must be square or round shape in a GIF, TIFF, ICON or JPG format.
- B) Number of Lines
  - 1) The number of lines on the scoreboard display is set to the number of lanes in the pool.
  - 2) The display will also include a scrolling message line above Lane 1
- C) Colors
  - 1) The user can select the color of the scoreboard text and background.
  - 2) Colors should be selected with maximum contrast to make the display easily readable.
- D) Ports
  - 1) The Scoreboard Port on your TIMEWARE 2, MEETWARE, POLOWARE 2 and/or WORKWARE 2 Software is set to the lowest COM port number of the VSP's selected.
  - 2) The Input Port on your BOARDWARE Software is set to the highest COM port number of the VSP's selected.

### III) Hardware Requirements

#### A) Computer Requirements

- 1) IBM Compatible computer with Pentium (or equivalent) processor
- 2) Windows 2000, XP or Vista (XP or Vista Pro is recommended for networking)
- 3) 32 MB of RAM minimum, 64 MB recommended
- 4) 20 MB hard disk space available
- 5) VGA or Super VGA monitor
- 6) CD and flash drive
- 7) Mouse
- 8) One available USB Port for the Computer Timing or Polo Interface.
- 9) If linking to Hy-Tek's MEET MANAGER via network connection, both the timing computer and MEET MANAGER computers must have the appropriate network hardware, along with the required cables to connect the two computers.

#### B) Power Requirements

- 1) All SWIMWARE timing devices, scoreboards and all computers running BOARDWARE software must be connected to GFI (Ground Fault Interrupt) 110V 5 amp (min.) outlets.

#### C) Recommended Equipment

- 1) We strongly recommend that the BOARDWARE computer, its printer and the Computer Timing Interface be connected to power through an uninterruptable power supply (UPS). This protects against accidental loss of data during a power failure.
- 2) The addition of an internet connection to your BOARDWARE computer will enable you to download updates from or email backups to IST with minimum effort. This can facilitate meet support.